ACCESSION NR: AR5004788	s/0137/6lt/000/010/1080/1080
SOURCE: Ref. zh. Metallurgiya, Abs	
AUTHOR: Yudkovskiy, S. I.; Eykimans V. F.; Romanov, K. F.; Smirnov, F. F.	E. F.; Guseva, A. N.; Funke,
TITLE: Cutting and <u>physicomechanics</u> titanium boride base	1 properties of alloys with a
CITED SOURCE: Sb. tr. Vses. n1. 1 1964, 130-141	
TOPIC TAGS: titanium base alloy, be containing alloy, titanium diboride metal physical property, cutting to	STTOA! MOORT III OITHING TO GATE IN THE CALL
TRANSLATION: Results of an investi- physicomechanical properties of all- are described. The alloys are outs	tanding for a high degree of
hardness, ability to retain strength friction coefficient, a high temper	n ot nion mannable but to a saisha i i i i i i

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material, ar	d: AR5004788 and a high resi are exhibited	her allare usi	en arment per s	H. HER RICKSON	24 T. A. L. A. C	o 1 *	
TiB2+15%F0)	Alloys base or tools, incl literature ti	d on titaniw	for machini	INJI DO LENE	JCT : C(C) : -11 ::1	2 -11 -1 - 11 - 51 4 1	
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IAVROVA, A.P., kand. tekhn. nauk; GNOYEVOY, P.S., inzh.; KALENOVA, M.S., starshiy nauchnyy sotrudnik; GUSEVA, A.N., mladshiy nauchnyy sotrudnik; MOROZOVA, L.I., mladshiy nauchnyy sotrudnik; KHARITONOW, V.A., inzh.; KANAREVSKIY, A.A., inzh.; MAZYAKIN, A.V., inzh.; LISHFAY, V.M., inzh.; IL'YASHENKO, M.A., kand. veter. nauk; RYNDINA, V.P., inzh.; LOGINOVA, M.M., mladshiy nauchnyy sotrudnik; CHUDINA, S.A., mladshiy nauchnyy sotrudnik; TRUDOLYUBOVA, G.B., starshiy nauchnyy sotrudnik; KARGAL'TSEV, I.I., assistent; MIKHAYLOVA, A.Ye., mladshiy nauchnyy sotrudnik; KARPOVA, V.I., mladshiy nauchnyy sotrudnik; MERKULOVA, V.K., mladshiy nauchnyy sotrudnik; POLETAYEV, T.N., mladshiy nauchnyy sotrudnik

Study of the heat treatment conditions of smoked and cooked sausage. Trudy VNIIMP no.16:24-63 '64. (MIRA 18:11)

1. Kafedra tekhnologii Moskovskogo tekhnologicheskogo izstituta myasnoy i molochnoy promyshlennosti (for Kargalitsev).

GUSEVA, A.P.

Use of Transbaikalian plants in Tibetan medicine. Trudy Len. khim.-farm. inst. 12:363-366 % 61. (MIRA 15:3)

1. Kafedra farmakognozii i botaniki Leningradskogo khimiko-farmatsevticheskogo instituta.

(TRANSPAIKALIA-BOTANY, MEDICAL)

(MEDICINE, TIHETAN)

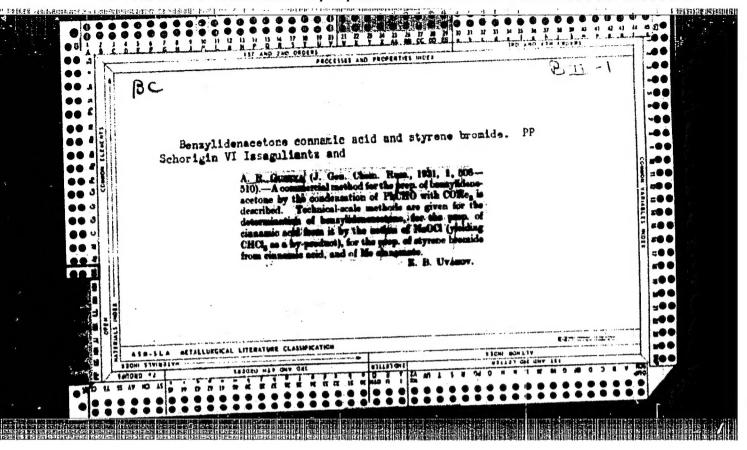
TSYBIKOVA, D.TS., kand. khim. nauk; GEMBITSKIY, F.A., kand. khim. nauk; GUSEVA, A.P.

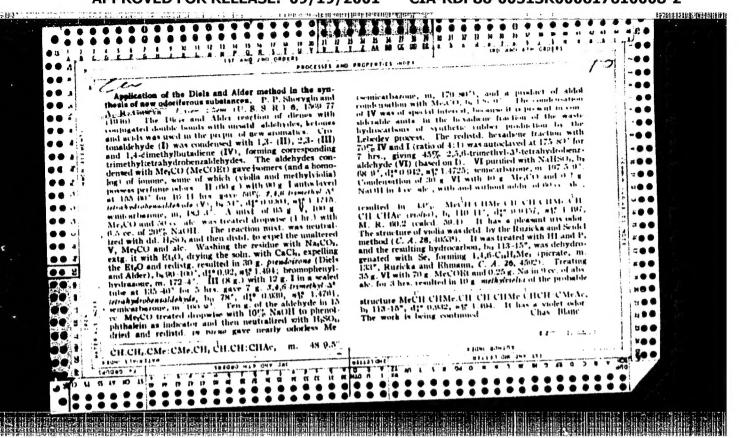
Hammet equation and its application in organic chemistry. Trudy VSTI no.1:39-65 '62.

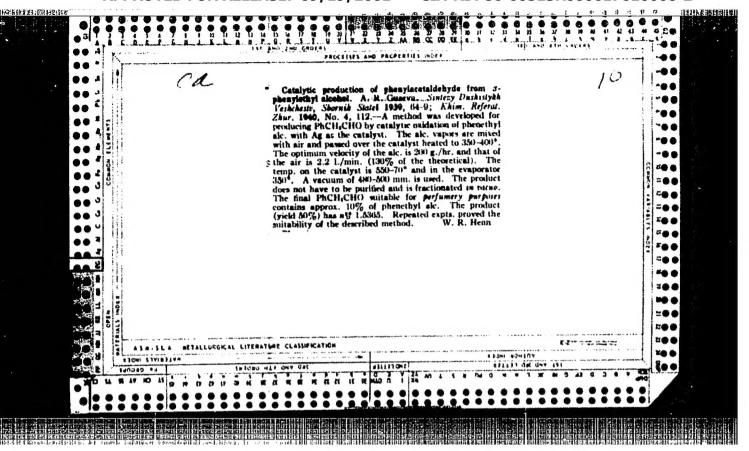
SKATKIN, Petr Nikolayevich; KOZHIN, N.I., prof., otv. red.; NIKITINSKAYA, I.V., red. izd-va; GUSEVA, A.P., tekhn. red.; GUS'KOVA, O.M., tekhn. red.

[Biological foundations of artificial fish culture; a historical outline]Biologicheskie osnovy iskusstvennogo ryborazvedeniia; istoricheskii ocherk. Moskva, Izd-vo Akad. nauk SSSR, 1962. 243 p. (MIRA 15:12)

(Fish culture)







GUSEVA, A. R.

USSR/Chemistry - Pyruvic Acid Chemistry - Condensation, Chemical Jan/Feb 1948

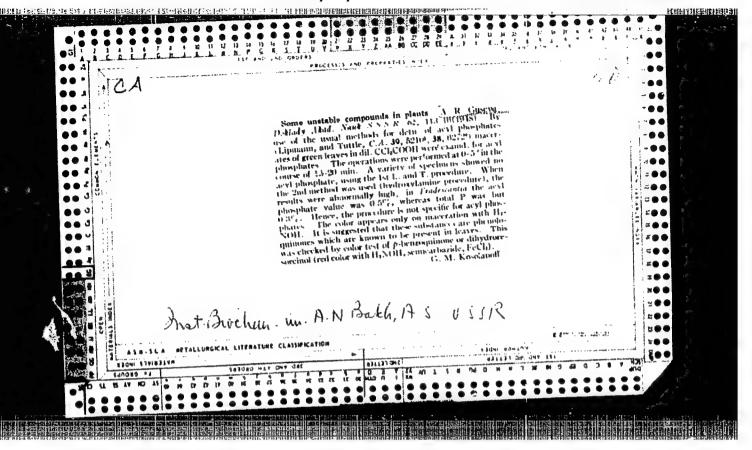
"Condensation of Pyroracemic Acid in the Presence of Glycocol," A. M. Kuzin, Inst of Biochem imeni A. N. Bakh, Acad Sci USSR; A. R. Guseva, Moscow Lab of Chem of Plant Matter, $4\frac{1}{2}$ pp

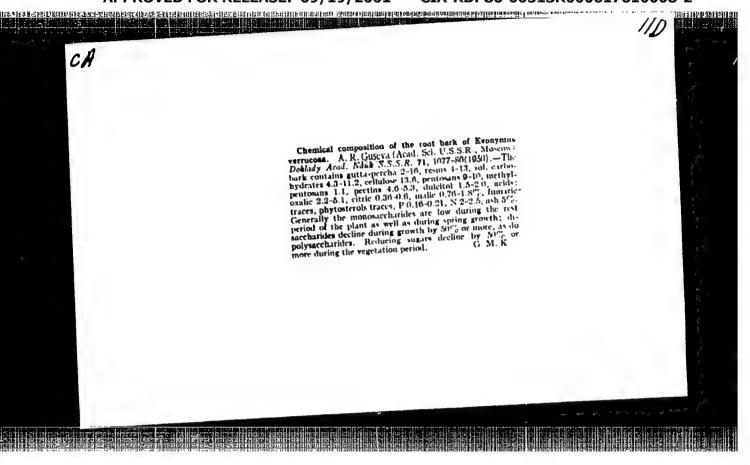
"Biokhim" Vol XIII, No 1

Important position occupied by pyroracemic acid in the process of the metabolism of carbons makes it clear that in the living organism it can serve as that basic material which when synthesized will produce the more complex materials having longer carbon chains and possessing acyclic or cyclic structures. Brief description of tests conducted.

Submitted 28 Apr 1947

PA 64T27





27774, 1. 2.

Rubber Plants, Eucormia Ulmoides Oliv.

Chemical composition of the leaves of eucommia (Mucommia Ulmoides Oliv.). Dokl.

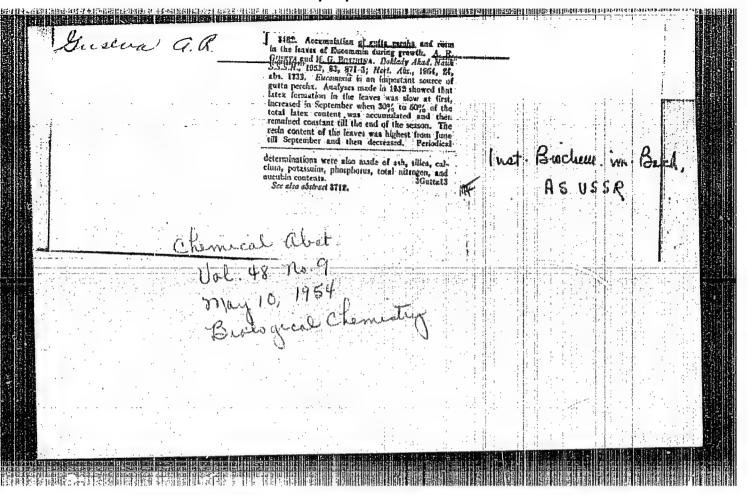
Al. DSSR 82 no. 5, 1952. Institut Biokhimii im. A. N. Bakhw. Akwdenii Nauk SSR. Reod. 1º Pec. 1951.

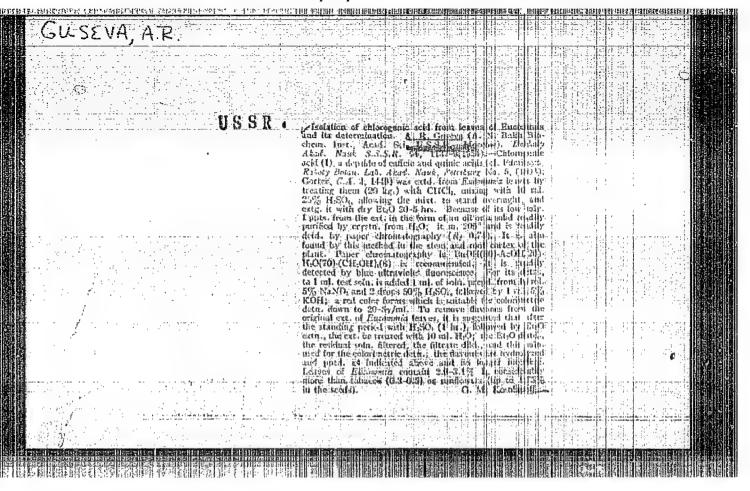
Monthly List of Ressian Accessions, Library of Congress, July 1982. Unclassified.

GUSEVA, A. R.

Chemical Abst. Vol. 48 No. 9 May 10, 1954 Biological Chemistry Motipuds for the determination of flavoir substances in plants. A. R. Guseva and M. N. Nexyuk-Bakh Inst. Blochem. Acad. Sci. U.S.S.R., Moscow). Biokhimiya 18, 480-3(1953).—In Wilson's method of org. plant analysis (C.A. 33, 9201°) abs. acetone was replaced by 96% abs. acetone and 4% MeOH. The content of flavone substances in green and yellow leaves of Eucommia, the green leaves of Eucommus, yellow leaves of tobacco, and green leaves of tea was detd. by the original Wilson and modified methods. The use of the modified solvent yielded considerably higher values for glycosides of flavone substances in a variety of plant materials.

B. S. Levine





त्रिक्त । प्रतिकृतिक स्टार्ट्स स्टार् GUSEYA, A.R.

USSR/ Biology - Biochemistry

Card 1/1 Pub. 22 - 21/40

Authors

: Guseva, A.R., and Borikhina, M.G.

Title

Guttapercha and carotinoid content in Eucommia leaves in connection with their fall-color

Periodical : Dok. AN SSSR 99/3, 419-420, Nov 21, 1954

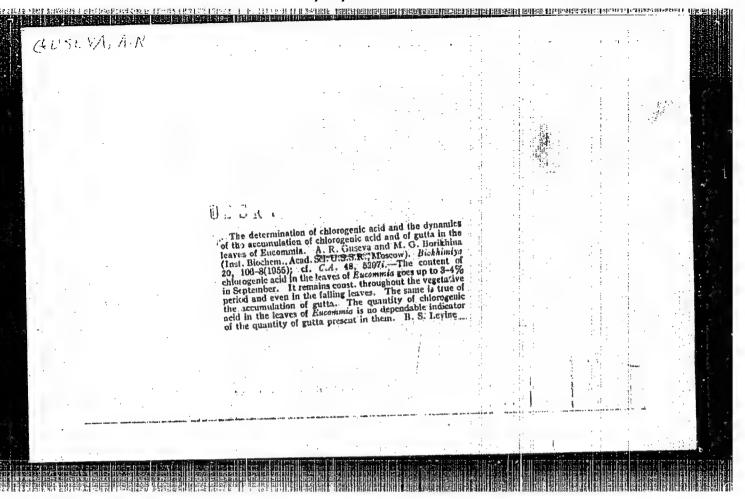
Abstract

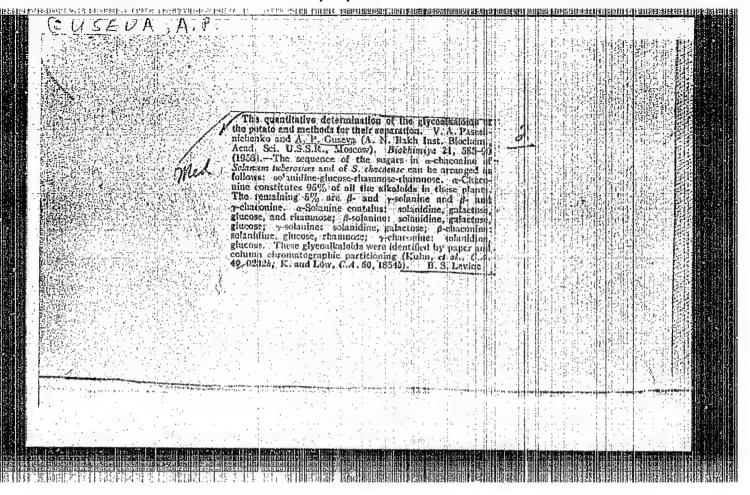
: The parallelism between the carotinoid and guttapercha contents in Eucommia leaves, and the polyisoprene structure of their mutual source, were established. The possibility of a single source for the synthesis of various polyisoprene compounds is discussed. The direct connection existing between the carotinoids and guttapercha in Eucommia leaves is explained. The carotinoid content in golden-yellow Eucommia autumn-leaves is much lower than the guttapercha content and a general competition between them is quite possible. Seven references: 5-USSR; 1-French and 1-Swiss (1930-1953). Tables.

Institution : Academy of Sciences USSR, The A.N. Bakh Institute of Biochemistry

Presented by : Academician A.I. Oparin, September 2, 1954

CIA-RDP86-00513R000617610008-2" APPROVED FOR RELEASE: 09/19/2001

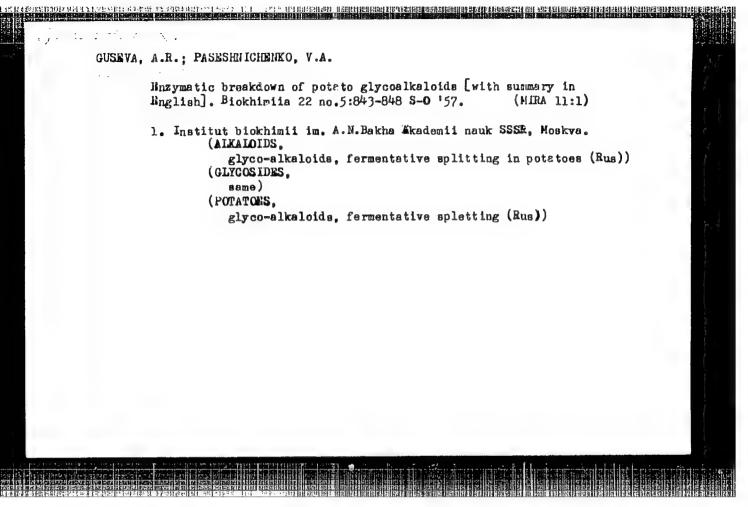


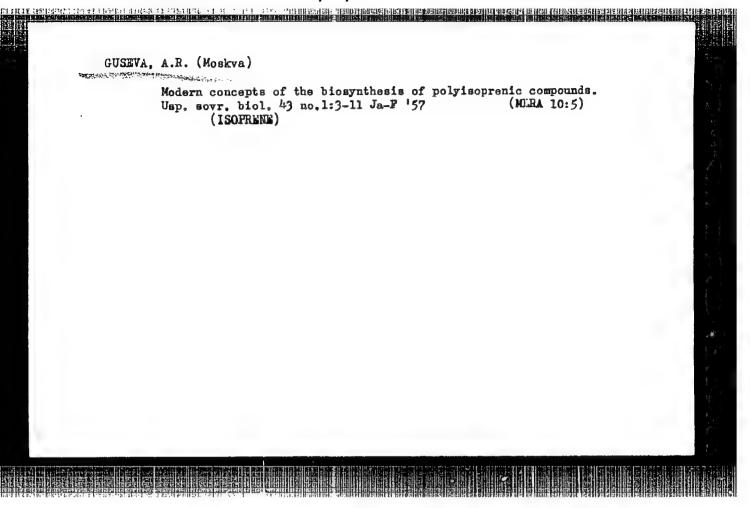


GUSEVA, A.R.; BORIKHINA, M.G.

Defoliation of Encommia leaves. Vest.AN SSSR 26 no.4:39-40 Ap. (Sucommia)

(MLRA 9:7)





GUSEVA, A.R., BORIKHINA, M.G.

Determining coenzume A in higher plants by acetylating the amide of the sulfanilic acid [with summary in English]. Biokhimila 23 no.2:291-295 Mr-Ap *58 (MIRA 11:6)

1. Institut biokhimii im. A.W. Bakha AN SSSR, Moskva. (COENZYMES.

a. determ. in plants by acetylation of sulfanilamide by plant extracts (Rus))

(SULFANILAMIDE, metabolism

acetylation by plant extracts in determ. of coenzyme A activity of plant (Rus))

(PLANTS,

coenzyme A activity, determ. of acetylation of sulfanilamide by plant extract (Rus))

GUSEVA, A.R., PASESHIICHENKO, V.A.

Studying the biogenesis of potato glyconlkaloids by the tagged atom method [with summary in English]. Biokhimiia 23 no.3:412-415 My-Je 158 (MIRA 71:8)

 Institut biokhimii in. A.N. Bakha AN SSSR, Moskva. (POTATOES, metabolism

glyconlaloid synthesis, determ. with isotope-labeling method (Rus))

GUSEVA, A.R.: PASESIMICHENKO, V.A.

Snzymatic hydrolysis of glycoalkaloids contained in Solanum aviculare. Biokhimia 24 no.3:563-565 My-Je '59.

(MIRA 12:9)

1. Institute of Biochemistry, Academy of Sciences of the U.S.S.R., Moscow.

(AIMALOIDS,

Solanum aviculare gluco-alkaloids, (enzymatic hydrolysis (Rus))

(GLUCOSIDES,

same)

GUSEVA, A.R.; PASESHNICHENKO, V.A.; BORIKHINA, M.G.

Mevalonic acid as the precureor of some relationments

Mevalonic acid as the precursor of some polyisoprene compounds in plants. Nokl.AN SSSR 133 no.1:228-229 JH 60. (MIRA 13:7)

1. Institut biokhimii imeni A.N.Bakha Akademii nauk SSSR. Predstavleno akademikom A.I.Oparinym.

(MEVALONIC ACID) (PLANTS-METABOLISM) (ISOPRENE)

GUSEVA, A.R.; BORIKHINA, M.G.; PASESINICHENKO, V.A.

Use of acetate in the biosynthesis of chaconine and solanine in potata sprouts. Biokhimia 25 no.2:282-284 Mr-Ap '60. (MIRA 14:5)

1. Institut biokhimii im. A.N.Bakha Akademii nauk SSSR, Moskva. (SOLANINE) (AGETATES)

(GHAGONINE) (AGETATES)

GUSEVA, A. R., PASESTHNICHENKO, V. A., (USSR)

"Biosynthesis of Steroid Aglycone."

Report presented at the 5th Int 1. Biochemistry Congress, Moscow, 10-16 Aug 1961.

GUSEVA, A.R.; PASESHNICHENKO, V.A.; BORIEHINA, M.G.

Synthesis of radioactive mevalonic acid and its use for the study of the biosynthesis of steroid glyc wikaloids in Solamum. Bickhimiia 26 no.4:723-728 Jl-Ag 161. (MIRA 15:6)

1. Institute of Biochemistry, Academy of Sciences of the USSR, Modeow.
(ALMALOIDS)

(NIGHTSHADE) (MEVALONIC ACID)

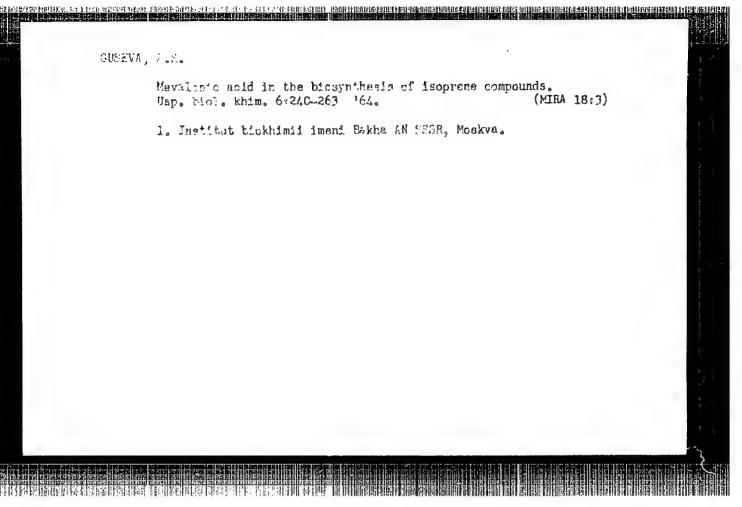
CIA-RDP86-00513R000617610008-2" APPROVED FOR RELEASE: 09/19/2001

INCIDENCE, A.R.; PASESHNICHENKO, V.A.; BORIKHINA, M.G.

Inclusion of C¹⁴O₂ into glycoalkaloids in the leaves of Solanum aviculare. Blokhimia 28 no.44709-711 J1-Ag '63.

1. Institut biokhimii imeni Bakha AN SSSR, Moskva.

(MIRA 18:3)



GUSEVA, A.R.; PASESHNICHENKO, V.A.; ECRIKHINA, M.G.; MOISEYEV, R.K.

Determination of steroid glycoalkaloids in Solanum laciniatum.
Biokhimia 30 no.2:260-264 Mr-Ap 165. (MIRA 18:7)

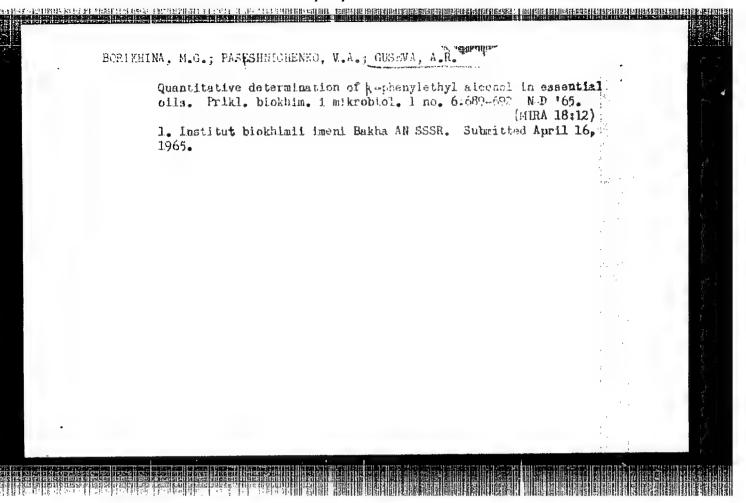
1. Institut blokhimii imeni Bakha AN SSSR, Moskva.

PASESHNICHENKO, V.A.; GUJEVA, A.R.

Separation and determination of essential oil components with the help of thin-layer chromatography on silica gel and also in the form of W-complexes with silver ions. Prikl. biokhim. 1 mikrobiol. 1 no.5:559-562 S-0 165.

Colorimetric microdetermination of savelic terpene alcohols of essential oils. Ibid.:563-565 (MTRA 18:11)

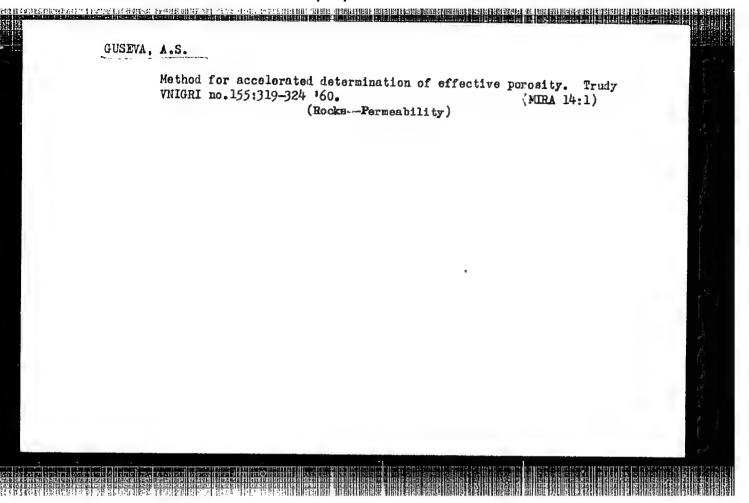
1. Institut biokhimii imeni A.N. Bakhs AN SSSE.

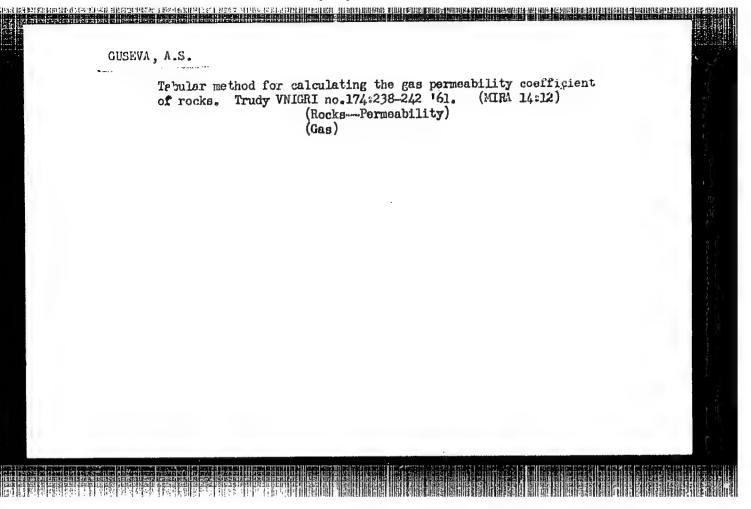


GUSEVA, A.R.; PASESHNICHENKO, V.A.

Effect of the fermentation of rose petals on the terpene alcohol content in rose oil. Prikl. biokhim. i mikrobiol. l. no. 6421 N-D '65. (NIRA 18:12)

1. Institut biokhimii imeni Bakha AN SSSR. Submitted Nov. 10, 1965.





S/065/63/000/004/004/004 A057/A126

AUTHORS:

Bespolov, I.Ye., Guseva, A.V., Timonicheva, O.I.

TITLE:

On the dependence between the value of the heat-transfer coefficient and the lower heat of fuel combustion

PERIODICAL: Khimiya i tekhnologiya topliv i masel, no. 4, 1963, 64 - 65

TEXT: The authors determined a linear function between the heat-transfer coefficient and the lower heat of combustion of reactive fuels which is expressed by the equation: $Q_N = 9939 + 0.0615$ K kcal/kg (Q_N = the determined combustion heat of the fuel, K = heat-transfer coefficient). The calorific capacity of industrial samples of reactive fuels calculated by this equation are practically the same as the experimentally determined values. The heat-transfer coefficient is calculated from data on density and the aniline point of the fuel, thus no special apparatus are necessary. The heat-transfer coefficients, heat of combustion, and calorific capacity of the Soviet reactive fuels of TC -1 (TS-1), T-1 (T-1), T-2 (T-2), and T-5 (T-5) grades and foreign fuels JP-1, JP-4, and ATK (aviation turbine kerosene) were determined. The results obtained

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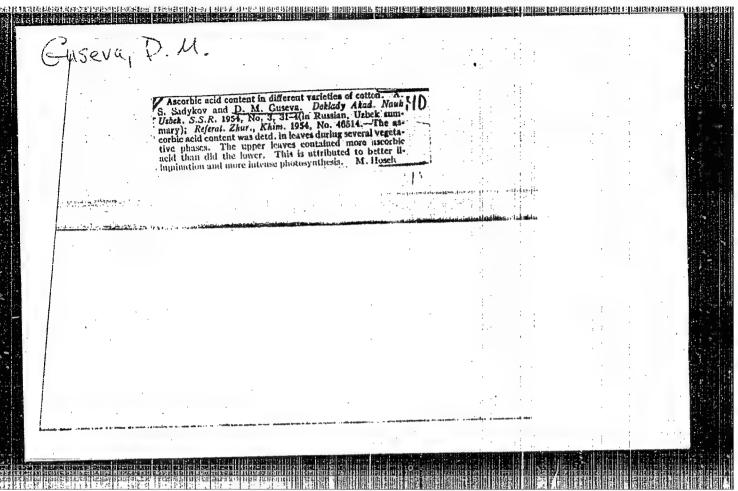
On the dependence between the value of the S/065/63/000/004/004/004

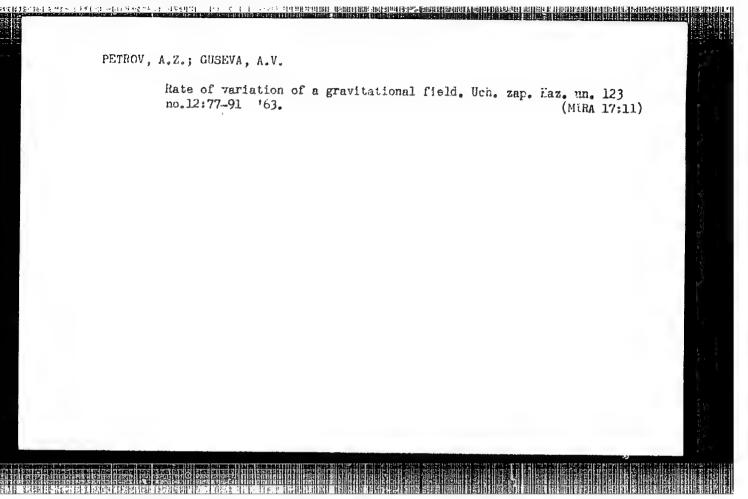
could be used in continuous control of technological devices to exchange the complicated determination of the combustion heat with the determination of the heat-transfer coefficient. The method of determining the combustion heat by means of the heat-transfer coefficient could be introduced as a stundard test method. There are 2 tables and 1 figure.

ASSOCIATION: VNII NP

36793. GUSEVA, A. YA. Khorosho podgotovit' zimovku kolkhoznogo skota. sots. sel. khoz-vo uzbekistana, 1949, No 41, c. 65-69

S0: Letopis' Zhurnal' nykh Statey, Vol. 50, Moskva, 1949





MUSABAYEV, I.K., prof.; GUSEVA. D.M.

Alkaline phosphatase in the blocd of patients with A2 viral influenza. Med. zhur. Uzb. no.2:9-11 F '62. (MIRA 15:4)

1. Iz kliniki infektsionnykh bolezney Tashkentskogo instituta umovershenstvovaniya vrachey.
(INFLUENZA) (PHOSPHATASES)

MUSABAYEV, I.K., prof.; NUCMANOVA, R.N., aspirant; GUSEVA, D.M.

Manganese content in the blood serum of infectious hepatitis
patients. Nauch.trudy uch.i prak.vrach.Uzb. no.3:62-65 62.

(MIRA 16:2)

1. Iz kliniki infektsionnykh bolezney Tashkentskogo gosudarstvennogo instituta dlya usovershenstvovaniya vrachey (zav. - chleskorrespondent AMN SSSR prof. I.K. Musabayev). (MANGANESE IN THE BODY) (HEPATITIS, INFECTIOUS)

MUSARAYEV, I.K., prof.; LERRYMAN, M.Ya.; GUSEVA, D.M.

Adsorbed bilirubin fraction as a prognostic index in infectious hepatitis. Nauch.trudy uch.i prak.vrach.Uzb. no.3:81-87 162.

(MIRA 16:2)

1. Iz kafedry infektsionnykh bolezney Tashkentskogo gosudarstvennogo instituta dlya usovershemstvovaniya vrachey (zav. - chlemkorrespondent ANN SSR prof. I.K. Musabayev).

(BILIRUBIN) (HEPATITIS, INFECTIOUS)

NUGMANOVA, R.N.; MUSABAYEV, I.K.; GUSEVA, D.M.; MUKHAMEDOVA, I.G.

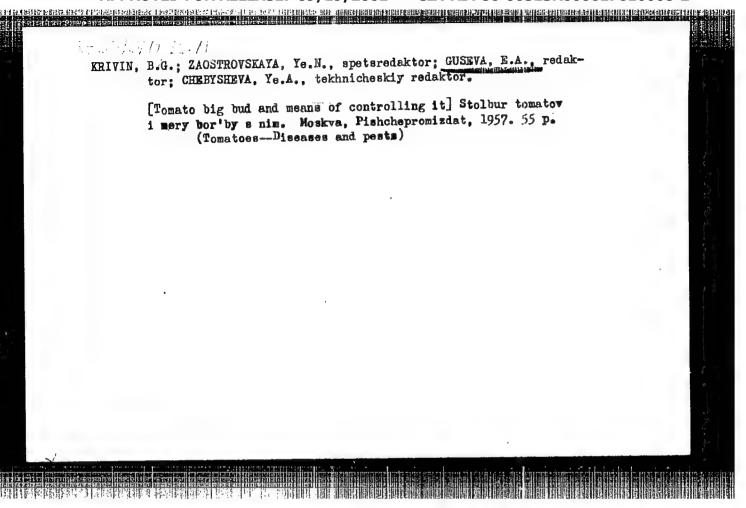
Determination of cobalt in blood serum. Uzb. khim. zhur. 7 no.5:20-25 '63. (MIRA 17:2)

1. Tashkentskiy institut usovershenstvovaniya vrachey.

MUSABAYEV, I.K.; GUSEVA, D.M.

Electrophoretic study of the serum proteins in viral influenza A2. Zhur. mikrobiol., epid. i immun. 40 no.4:38-43 Ap '63. (MIRA 17:5)

1. Iz Tashkentskogo instituta usovershenstvoveniya vrachey.



MATROZOVA, R.G.; GUSSVA, E.A., redaktor; MUSTAZIN, A.M., tekhnicheskiy redaktor.

[Botulism bacillus in the comning industry] Mikrob botulizms v konservnoi promyshleunosti. Moskva, Pishchepromizdet, 1957.

117 p. (Clostridium botulinum)

(Clostridium botulinum)

GUSEVA, E.A.; SHAPOSINIKOV, Yu.K.

Functional state of the thyroid gland in persons having come into contact with granosan. Gig. truda i prof. zeb. 4 no.6:32-35 Je '60. (MRA 15:4)

1. Institut gigiyeny truda i professional 'nykh zabolevaniy, Gor'kiy. (THYROID GLAND) (IODINE—ISOTOPES) (ETHYL CHLORIDE—TOXIOLOGY)

GUSEVA, E. A. (Engineer) and NOVOSADOV, V. S. (Engineer) (Moscow)

"Arc arc welding of zirconium with titanium and niobium, niobium with titanium". Considerable attention was given to heat treatment and study of properties of these combinations over an extended period of time.

Report presented at the 1st All-Union Conference on welding of heterogeneous metals, at the Inst of Electric Welding im. Ye. O. Paton, 1h-15 June 1963. (Reported in Avtomaticheskaya svarka, Kiev, No. 9, Sept 1963, pp. 95-96, author, V. R. Ryabov)

JPRS 24,651

19 May 64

GUSEVA, F. G.

"Arthrodesis of the Knee Joint without Shortening the Extremity in Complications of Poliomyelitis." Gor'kiy State Medical Inst imeni S. M. Kirov, Gor'kiy, 1955. (Dissertation for the Degree of Canidate in Medical Sciences)

SO: Knizhnaya Letopis!, No. 22, 1955, pp 93-105

PINAYEVSKAYA, Ye.w.; ARTOSHKINA, N.L.; GUSEVA, G.G.

Aqueous reciprocal system of sodium and calcium chromates and nitrates. Zhur.prikl.khim. 34 no.8:1722-1739 Ag *61. (MIRA 14:8)

(Sodium nitrate) (Calcium chromate)

SOV/126 - -7-5-3/25

AUTHORS: Guseva, G. I. Taluts, G. G.

TITLE: On the Theory of Collective Excitations of a System of Electrons in a Solid Body (K teorii kollektivnykh vozbuzhdeniy sistemy elektronov v tverdom tele)

PERIODICAL: Fizika metallov i metallovedeniye, 1959, Vol 7, Nr 5, pp 658-665 (USSR)

ABSTRACT: The method of collective coordinates and momenta is used to study the spectrum of collective excitations of a system of electrons in a solid body. Transitions between bands as well as within bands are taken into account. The connection between oscillations of the plasma type and Frenkel' type exciton excitations is elucidated. This is particularly important in semiconductors where both types of excitation play an important role. The Hamiltonian is written in the form given by Eq (3), where at a are Fermi operators

Card and $L(\alpha\alpha^i)$ and $F(\alpha_1\alpha_2;\alpha_1^i,\alpha_2^i)$ are matrix elements of the additive and binary type. The Fourier components of the

On the Theory of Collective Excitations of a System of Electrons in a Solid Body

electron density given by Eq (4) are taken as the collective coordinates and the corresponding momentum operator is taken in the form of Eq (5). In the second quantisation representation the collective variables are given by Eqs (6) and (7). The new operators given by Eq (8) are shown to obey Bose-Einstein commutation relations and the matrix elements $(\alpha\alpha')$ and $\varphi_k^i(\alpha\alpha^i)$ satisfy condition (9). Using the operators given by Eq (8), the Hamiltonian given by Eq (3) can be rewritten in the form of Eq (10). When the system does not deviate very considerably from the ground state, only the first three terms need be taken. The expansion coefficients are given by Eq (11). The Hamiltonian for the collective excitations is then given by Eq (12) where L2 L'2 are certain combinations of the matrix operators , $\,p(\alpha\alpha^{\,\imath})\,$ and $\,p^{\,\imath}(\alpha\alpha^{\,\imath})\,$. $\,G(k)\,$ is the Fourier $L(\alpha\alpha')$ component of the kernel of the inter-electron interaction. Exchange effects are neglected. The Hamiltonian (12) is diagonalized by the usual method (Ref 10). The energy of the collective excitation turns out to be given by Eq (13),

Card 2/4

SOV/126---7-5-3/25

On the Theory of Collective Excitations of a System of Electrons in a Solid Body

where A and C are given by Eq (14). It is shown on the basis of these equations that the spectrum of collective excitations when electron transitions within bands are taken into account consists of a series of energy bands, each of which is associated with a different form of excitation of the system. In experiments concerned with the scattering of fast charged particles by crystals, one normally observes a few absorption lines. One of these lines can often be associated with purely plasma oscillations of the electron system (Ref 1). The present calculation

Card 3/4

30V/126---7-5-3/25 On the Theory of Collective Excitations of a System of Electrons in a Solid Body

indicates that the remaining lines are due to other forms of excitation. There are 11 references, of which 5 are Soviet, 5 English.

ASSOCIATION: Ural'skiy gosudarstvennyy universitet imeni A. M. Gor'kogo, Institut fiziki metallov, AN SSSR (Urals State University imeni A. M. Gor'kiy, Institute of the Physics of Metals,
Academy of Sciences, USSR)

SUBMITTED: June 23, 1958.

Card 4/4

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S/181/62/004/009/023/045 B104/B186

AUTHORS:

Guseva, G. I., and Tsidil'kovskiy, I. M.

TITLE:

Transfer effects in n-type InSb

PERIODICAL: Fizika tverdogo tela, v. 4, no. 9, 1962, 2490-2506

TEXT: An attempt was made to elucidate the influence which deviation of electron dispersion in InSb from the square law exerts on galvanomagnetic and thermomagnetic effects; also to establish, from a comparison of experimental with theoretical results, whether the optical or the acoustic scattering mechanism predominates. For this purpose the thermomagnetic and galvanomagnetic effects in n-type InSb were studied within the range of mixed conductivity, both below and above the characteristic temperature, and using electron gases of different

degeneracy. Conclusions: (1) At 295 and 600°K, the magnetic resistance is in good agreement with the values obtained by assuming optical dispersion. The values obtained for acoustic scattering differ from the above values by 2 to 4 orders of magnitude. (2) At 295°K, the magnetic resistance in strong magnetic fields agrees well with the values obtained Card 1/2

Transfer effects in n-type InSb

S/181/62/004/009/023/045 B104/B186

for optical dispersion. (3) R_0/R_0 agrees well with the values obtained for optical scattering, but differs considerably from those obtained for acoustic scattering. (4) The variations of the thermo-emf in a weak

magnetic field at 600°K, and the Nernst-Ettinghausen effect observed at this temperature, are consistent with the values obtained for optical dispersion; but they differ greatly from those obtained for acoustic scattering. There are 5 figures and 6 tables.

ASSOCIATION:

Institut fiziki metallov AN SSSR, Sverdlovsk

(Institute of the Physics of Metals AS USSR, Sverdlovsk)

SUBMITTED:

May 3, 1962

Card 2/2

bhfl2 \$/181/63/005/001/041/064 B108/B180

AUTHORS:

Guseva, G. I., and Tsidil'kovskiy, I. M.

TITLE:

Concentration dependence of the effective mass of the

electrons in InSb, InAs, and GaAs

PERIODICAL:

Fizika tverdogo tela, v. 5, no. 1, 1963, 263-268

TEXT: The dispersion relations for InSb, InAs and GaAs do not follow a square law. The effective mass is therefore a function of energy, which can be given approximately as $m = m_n(1 + (2 - 4v)) = -6v = 2$, where $v = m_n/m_0$, $v = \epsilon/\epsilon_g$, m_n is the electron mass at the bottom of the band, m_0 is the free electron mass ϵ_g is the forbidden band width. Determination of the effective mass from De Broglie's relation $m_0 = m_0 = m_0$

Inas, and GaAs as these compounds have spherical isoenergetic electron surfaces. If the electron gas is degenerate, the effective mass as Card 1/2

Concentration dependence of ...

S/181/63/005/001/041/064 B108/B180

formulated above is only applicable as long as $f/\epsilon_g - f < c_0 T/\epsilon_g$ (f is the Fermi energy). However, $m(\epsilon)$ either has to be averaged over the states or a mean energy $\bar{\epsilon}$ has to be found so that $m = m(\bar{\epsilon})$. $m(\epsilon)$ was calculated as a function of concentration n. The curves are similar for all three compounds: initially flat, sharp rise between concentrations of 10^{16} and 10^{19} cm⁻³. \bar{m} increases with temperature, particularly at concentrations where degeneracy is still low. The experimental and calculated values of the effective mass agree well with one another. There are 4 figures and 3 tables.

ASSOCIATION:

Institut fiziki metallov AN SSSR, Sverdlovsk

(Institute of Physics of Metals AS USSR, Sverdlovsk)

SUBMITTED:

August 7, 1962

Card 2/2

GUSEVA, G.I.

Thermoelectromotive force in a quantized magnetic field with a quadratic anisotropic dispersion law. Fig. met. i metalloved. 18 no.3:321-332 S *64.

1. Institut fiziki metallov AN SSSR.

GUSEVA, G.I.; ZVEEBIR, A.K.

Transfer effects in n-InSo in inclastic polar scattering of electrons. Fiz. twer tela 7 nc.co.1879-1880 Je 'c5.

(MIRA 18:6)

1. Institut fiziki metailev AN SSSE, Sverdlovsk.

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ACCESSION NR: A				7/005/1879/1880 57 .48	
TITLE: On trans	port phenomena in	n-InSb in the ca	se of inclustic	polar scattering	
	tverdogo tela, v.	•			
TOPIC TAGS: ele theory	ctron scattering,	indium alloy, in	clastic scatteri	ng, transport	
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GUSEVA, G.K., assistent

State of the secretory function of the stomach in sluggish recurrent rheumatic carditis. Sbor. nauch. trud. Ivan. gos. med. inst. no.25:54-58 '62. (MIRA 17:5)

1. Iz kafodry gospital'noy terapii (zav. - prof. Ye.S. Myasovedov) Ivanovskogo gosudarstvennogo meditsinskogo instituta (rektor - dotsent Ya.M. Romanov).

L 5290-66 EWT(m)/EPF(c)/EWP(j)/T RPL WW/RM ACC NR: AP5022052 SOURCE CODE: UR/0286/65/000/014/0129/0129 AUTHORS: Guseva, I. A. Mal'kov, N. S.; Makarov, Yu. A.; Kulev, E. A.; Izmaylova, I. S.; Shvareva, G. N.; Khantsis, R. Z., Gladyshev, A. I.; Perepelkin, V. P.; Nikitina, D. M.; Chekunin, K. I.; Rodziminskiy, V. V. ORG: none TITLE: Method for obtaining copolymers, Class 39, No. 144021	
SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 14, 1965, 129 TOPIC TAGS: copolymer, pressure casting	
ABSTRACT: This Author Certificate presents a method for obtaining copolymers on the basis of methyl methacrylate and esters of acrylic acid by a suspension method. To obtain colorless copolymers suitable for fabricating products by casting under pressure higher alcohols, e.g., octyl, as a plasticizer, esters of phthalic acid, e.g., dicyclohexyl, as a stabilizer and derivatives of aminocumarone, e.g., phenyl ester of (naphtho-l ⁿ , 2 ⁿ :4 ¹ , 5 ¹)-triazoline (2 ¹)-stilbene-2-sulfoacid, as a clarifier are added to the mixture. SUB CODE: MT. GC/ SUBM DATE: 15May61/ ORIG REF: 000/ OTH REF: 000	
Gard 1/1 0901.0501	.5

VEPRIK, Ya.M.; GUSEVA, I.A.; ZHDANOV, A.P.; MARTYSH, G.G.; SHUR, L.I.

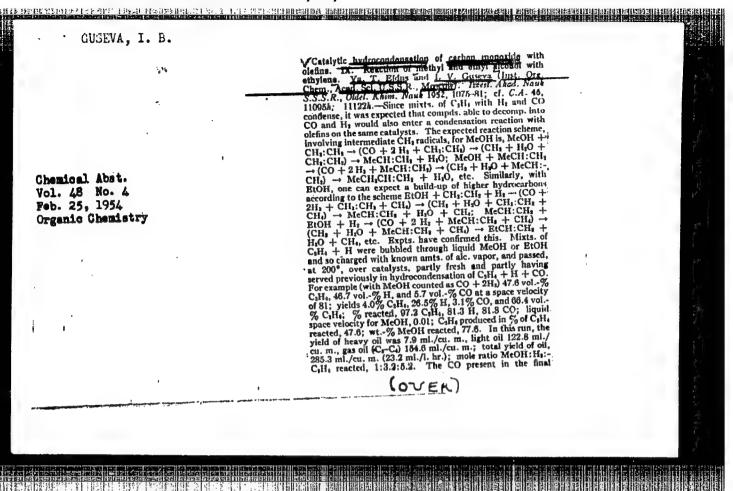
Nuclear emulsions developable in water-alkali solutions.
Zhur. nauch. i prikl. fot. i kin. 9 no.3:207-208 My-Je '64.
(MIRA 18:11)

1. Leningradskiy institut kinoinahenerov i Radiyevyy institut imeni Khlopina, Leningrad. Submitted December 16, 1963.

GUSEVA, I. B.

21032 Guseva, I.B. Skoliozy deskogo vosiesta po meterialam Institutn Trudy In-ta (Kazansk Nauch-is:led in-t ortopedii i vosstanovit Khirurgii) t.111, 1948, p. 159-67.

SO: LETOPIS ZHURNAL STATEY - Vol. 28, Moskva, 1949



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GUSEVA, I. G.

7885. GUSEVA, I. G. Metodika izmereniy skoliozov. kazan; tatknigoizdat, 1954. 8s. s ill. 20 sm. (Kazan. Nauch.-issled. in-t ortopedii I vosstanovit. khirurgii M-va zdravookhraneniya RSFSR. metod. materialy. vyp. 13). 1.000EKZ. Bespl.--avt. ukazan NA 3-y s.--(55-966zh)

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616.711-007.55

SO: Knizhuaya Letopis', Vol. 7, 1955

GERASIMOVA, Natal'ya Alekseyevna; GUSEVA, I.G.

[Method for measuring the movements of the spine and extremities; methodological material] Metodika izmereniia dvizhenii pozvonochnika i konechnostei; metodicheskie materialy. Kazan', Izd-vo Kazanskogo univ., 1960. 38 p.

(ORTHOPEDIA—EQUIPMENT AND SUPPLIES)

GUSEVA, I.L.

Late results of a combined (surgical and radiation) treatment of cancer of the breast. Trudy TSIU 62:373-378 '63.

(MIRA 18:3)

1. I kafedra rentgenologii (zav. zasluzhennyy deyatel¹ nauki prof. S.A.Reynberg) TSentral¹nogo instituta usovershenstvovaniya vrachey.

Pulmonary reaction to γ -irradiation of patients with esophageal cancer using Sc¹³⁷. Med. rad. 10 no.11:72-76 N '65.

(MTRA 19:1)

1. I-ya kafadra rentgenologii i radiologii (zav. - prof. S.A. Reynberg) TSentral'nogo instituta usovershenstvovaniya vrachey,

Moskva. Submitted October 28, 1964.

MELANKHOLIN, N.M.; GUSEVA, I.N.

Scattering of light in certain synthetic crystals. Kristallografiia 8 no.6:884-888 N-D'63. (MIRA 17:2)

1. Institut kristallografii AN SSSR.

AUTHOR BUT THE STATE OF STREET, 30553 S/564/61/003/000/029/029 24.3950 D207/D304 15.2110 Guseva, I. N. Refractive indices and transparency of synthetic quartz AUTHOR: crystals in ultraviolet light TITLE: Akademiya nauk SSSR. Institut kristallografii. Rost kristallov, v. 3, 1961, 494-497 SOURCE: The author studied the optical properties of synthetic quartz with a view to its possible use in spectrographs and spectrophotometers. Quartz samples differed in their homogeneity: some of them had "heavy phase" inclusions which was colloidal impurity. Optical transmission was measured using unpolarized light of 2170 - 4000 A wavelengths and a CO-4 (SF-4) spectrophotometer. Quartz crystals grown using a seed oriented parallel to the pinacoid could be divided into three groups: (1) those with a transmission of 90% or more at 2200 Å; (2) those with Card 1/3

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S/564/61/003/000/029/029 D207/D304

Refractive indices ...

Card 2/3

a transmission of 80 - 90% at 2200 Å, and (3) those with a transmission of about 70% at 2200 - 3000 Å. In all three cases the transmission was increased with wavelength to 90 - 95% at 4000 Å. The transmission was better at right-angles to the optic axis. The best samples of synthetic quartz, grown slowly under steady conditions, had as good a transmission as natural quartz, and this transmission did not vary with the crystal-lographic direction. Refractive indices (n) were obtained by Obreimov's method; Immersion of a sample and a glass or quartz standard of known n in a liquid with a similar refractive index. The value of n was found from the optical path difference between the sample and the standard. The results were: $n_{\rm C} = 1.54457$, $n_{\rm D} = 1.554804$, $n_{\rm F} = 1.55655$ — all accurate to within $\frac{1}{2}$ 0.0001 of those quoted for natural quartz ($n_{\rm O} = 1.5443$, $n_{\rm C} = 1.5536$) in G. W. C. Kaye and T. H. Laby's "Tables of Physical and Chemical Constants" (Russian translation published in 1949). Germanium impurities in synthetic quartz raised the

"APPROVED FOR RELEASE: 09/19/2001 CIA-

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30553 **S/564/61/003/000/029/029 D207/D304**

Refractive indices...

refractive index by 0.0003 and raised the $\propto \beta$ phase transition temperature. Aluminum impurities lowered the refractive index by 0.0005 - 0.0008 and lowered the $\propto \beta$ transition temperature. This suggests that refractive index can be used to detect impurities in synthetic quartz. There are 2 figures and 5 Soviet-bloc references.

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Card 3/3

ACCESSION NR: AP4039409 S/0070/64/009/003/0432/0435

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AUTHOR: Guseva, I. N.; Urusovskaya, A. A.

TITLE: Investigation of certain properties of samarium-doped synthetic fluorite

SOURCE: Kristallografiya, v. 9, no. 3, 1964, 432-435

TOPIC TAGS: synthetic fluorite, samarium doped fluorite, fluorite crystal, single crystal growth, samarium plus 2 ion crystal property

ABSTRACT: The lattice constant, density, density of dislocations, and quantity and dimensions of light-dispersing inclusions have been determined in different sections along a samarium-doped fluorite crystal grown by the Stockbarger method. These properties, supposed to be characteristic of the defectiveness of a crystal, were correlated with the distribution along the crystal of Sm⁺² as determined by the change in the absorption coefficient at maximum absorption. The unequal distribution of Sm⁺² explains the

Card 1/2

ACCESSION NR: AP4039409

nonuniformity of color in certain specimens. It was shown that all the characteristics studied, except the lattice constant, increased as the absorption coefficient increased, i.e., with the Sm⁺² concentration, which corresponds to increasing color intensity. The changes in characteristics along a single fluorite crystal are explained by the presence of extraneous phases. Orig. art. has: 2 figures and 1 table.

ASSOCIATION: Institut kristallografii AN SSSR (Institute of Crystallography, AN SSSR)

SUBMITTED: 05Nov63/

DATE ACQ: 18Jun64

ENCL: 00

SUB CODE: SS

NO REF SOV: 002

OTHER: 004

Card 2/2

GLSEVA, I. N.

"Geographic Wall Maps for A High School Course on the Physical Geography of the USSR," Cand Geog Sci , Moscow Order of Lenin State U imeni M. V. Lomonosov, (VM, 21 Dec 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (12) SO: Sum. No. 556, 24 Jun 55

GUSEVA, I-N.
USSR/Miscellaneous

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Card 1/2

Pub. 129-20/20

Author

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Title

: Life in Moscow University

Periodical

Vest. Mosk. Un., Ser. fizikomat. i yest. nauk, 10, No 2, 171-178,

Mar 1955

Abstract

Six brief: notices: I. A. Voronkov, "Scientific relation os Moscow Univ. with peoples' democratic countries." N. Filin, "Exhibition on the history of Moscow University." Anonymous "Scientific council Moscow State U. on the natural sciences." G. I. Roxhkova (head of the chairs and Ye. I. Motina, "Work of the Chairs of the Russian Language for students and foreign aspieatnts." Anonymous, "In honor of Frof. N. A. Kachinskiy." O. Kibal'chich, "Defense of dissentations" (The candidate dissertation of the following four were defended at the end of 1954 in the Geographical Faculty: I. F. Antonova, "Power the end of 1954 in the Geographical Faculty: I. F. Antonova, "Economic geographical characteristics of agriculture in the region between the rivers Lena and Amga, Yakutsk ASSR;" I. N. Guseva, "Wall Maps for the

Card 2/2

course 'Physical Geography of the USSR' in higher school; I. M.
Klevanova, "Landscape characteristics of the sandy massif of the
Northeastern Prikassiy (Caspian Region).").

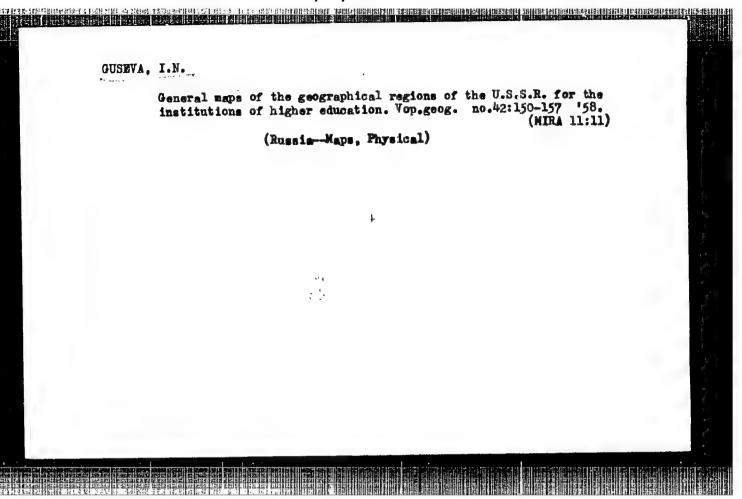
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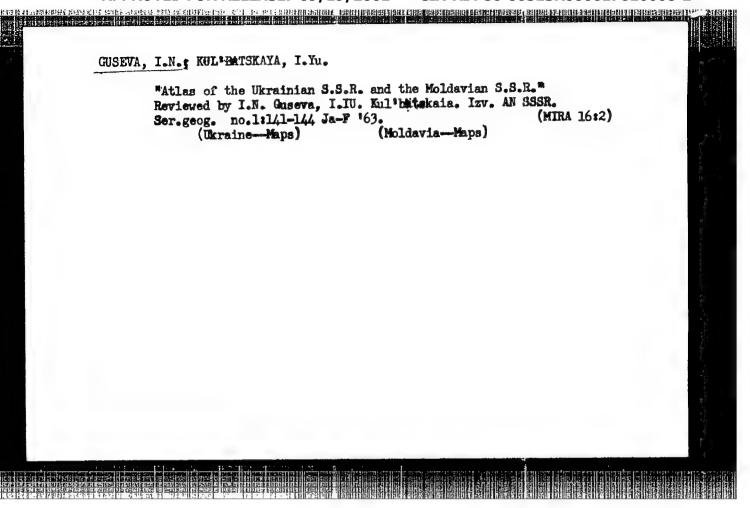
GEDYMIN,A.V.; YANIKOV,G.V.; STUDENIKIN,M.V.; GUSEVA,I.N.

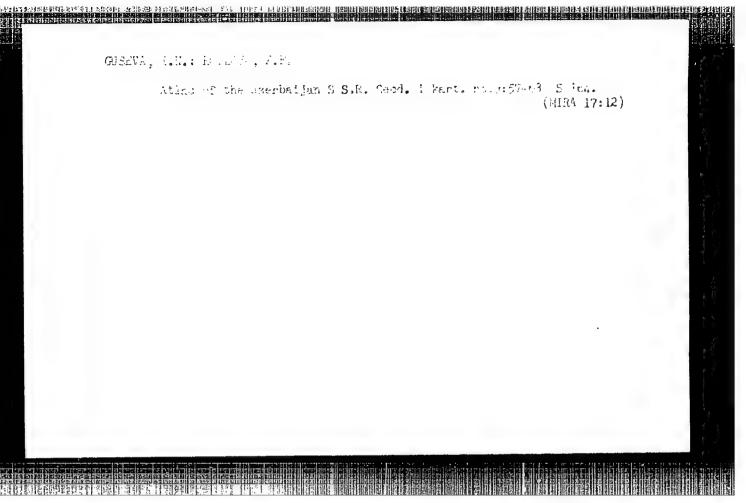
More on emphasis of maps. Vop.grog. no.37:206-209 '55. (MLRa 8:12)
(Geography--Study and teaching) (Kolosovskii, Nikolai Nikořásvich, 1891-1954)

萨罗纳洛尔克 (主主主义) 在中国,不是在自身的生产生的自己的自身的一个人,一个人,一个人,一个人,一个人的自身的现在,他们就是那种一个人的自己的,他们就是一个人的自己的

3(4) SOV/6-58-11-13/15 AUTHOR: Guseva, I. N. General Geographic Maps of Foreign States for the University TITLE: (Obshchegeograficheskiye karty inostrannykh gosudarstv dlya vysshey shkoly) Geodeziya i kartografiya, 1958, Nr 11, pp 59-74 (USSR) PERIODICAL: From 1951 to 1956 a series of general geographic maps, number-ABSTRACT: ing 18, of all countries of Europe, of Asia and the USA have been published by the Glavnoye upravleniye geodezii i kartografii MVD SSSR (Main Administration of Surveying and Cartography at the Ministry of the Interior of the USSR) together with the Geographic Faculty of the MGU and a number of other institutions. The following scales were used: 1: 600,000. partly 1: 750,000, the Balkan-peninsula 1:: 1,000,000, China, Mongolia, and Corea 1: 3,000,000, Central Asia 1: 2,500,000. The last map exhibits an excellently high standard, containing information drawn from most recent research and exhibiting a particularly good relief representation. The maps were compiled on the basis of the world atlas (1954) and foreign documentations. This paper contains a detailed critical review of this map series. Suggestions are presented concerning the next edition. Card 1/1





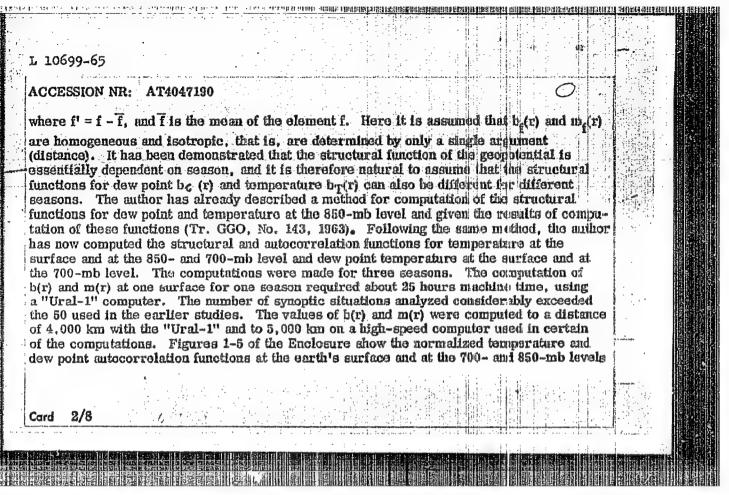


GUSEVA, I.N., otv. red.; MATSKEVICH, V.V., red.

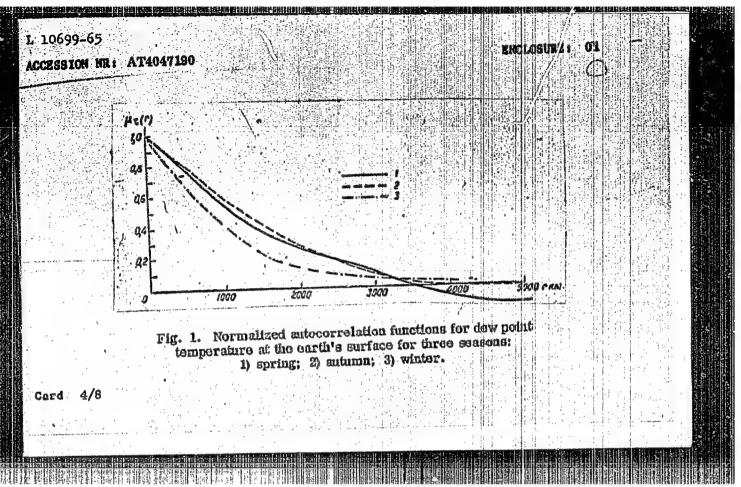
[Atlas of the Virgin Territory] Atlas TSelinnogo kraia. Moskva, Glav. upr. geodezii i kartografii Gos.geol. kom.ta SSSR, 1964. 49 p. (MIRA 18:4)

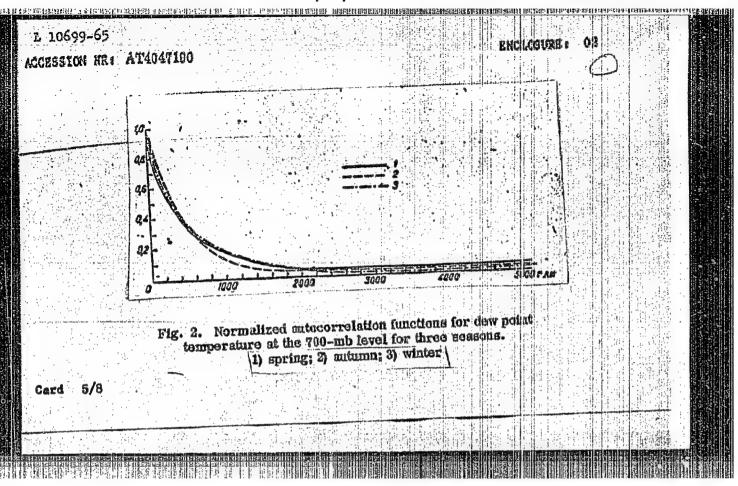
1. Moscow. Universitet. Geograficheskiy fakulitet.

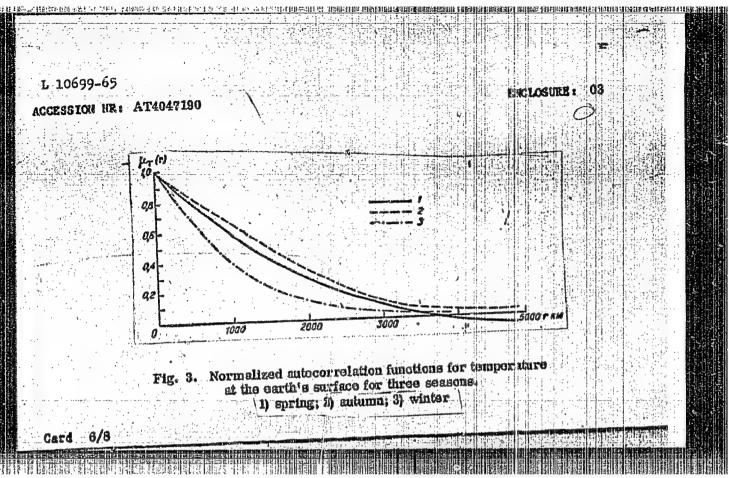
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ACCESSION NR: AT4047190 / 8/2531/64/000/165/0049/00/16
AUTHOR: Meleshko, V. P.; Guseva, I. P.
TITLE: Computation of some statistical characteristics for the temperature and humidity fields
SOURCE: Leningrad. Glavnaya geofizicheskaya observatoriya. Truitya, rip. 165, 1964 Primeneniye statisticheskikh metodov v meteorologii (Use of statistical methods in meteorology), 40-46
TOPIC TAGS: meteorology, atmospheric temperature field, atmospheric humidity field, dew point
ABSTRACT: This article is a continuation of the author's earlier investigations of the statistical characteristics of dew point and temperature (see Tr. GGC), No. 114, 1960). The following structural function and autocorrelation functions were used as the principal quantitative characteristics of the statistical structure of the dew point c and temperature
fields $b_f(\delta r) = \left[f'(\overline{r}) - f'(\overline{r} + \delta \overline{r})\right]^{\frac{r}{2}}$
(2) Card 1/8

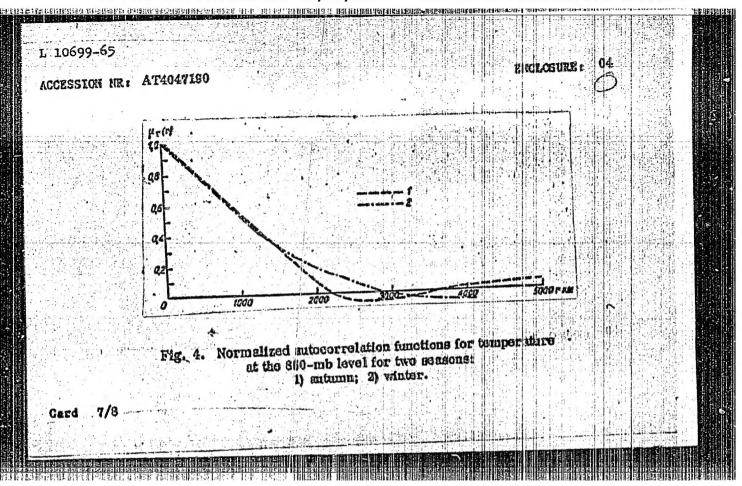


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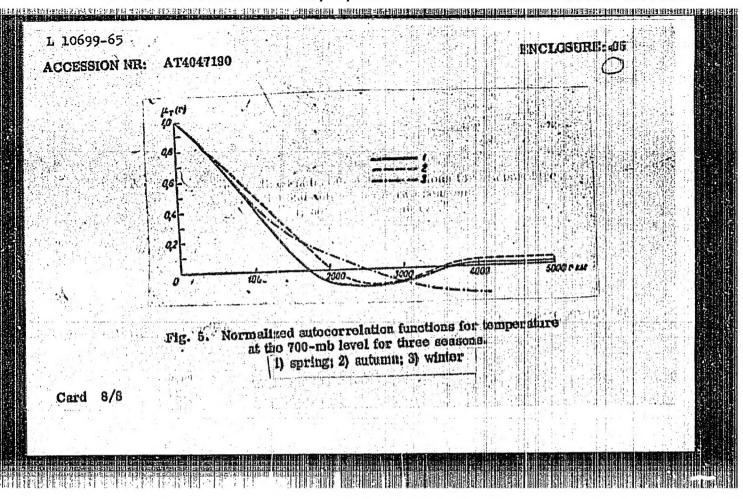








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GUSEVA, I.S., kand. med. nauk (Kiyev)

Work of geriatric rooms. Sovet. zdravookhr. 5:26-29 *63 (MIRA 17:2)

1. Iz organizatsionno-metodicheskogo otdela (zav. - prof. Yu.A. Dobrovol'skiy) Instituta gerontologii i eksperimental'noy patologii (dir. - chlen-korrespondent AMN SSSR prof. D.F.Chebotarev) AMN SSSR.

GUSEVA, I. S.

GUSEVA, I. S. -- "A Study of the Disease Rate Based on Return Data (On Material from Polyclinic No 22 of the City of Moscow)." Min Health USSR. Central Inst for the Advanced Training of Physicians. Moscow, 1955. (Dissertation for the Degree of Candidate of Medical Sciences.)

SO: Knizhnava letopis', No. 4, Moscow, 1956